20020429.qrp v02_n540.qrl.20020429

Date: Mon, 29 Apr 2002 19:03:07 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2540

QRP-L Digest 2540

Topics covered in this issue include:

 1) [125696] QTTF-Great Fun!
 by "Bob Hightower" <nk7m@extremezone.com>
 2) [125697] Re: Baffling CD-ROM Problem
 by "John Dorson" <jdorson@Worldshare.net>
 3) [125698] update: MFJ-784 and BK Gen SOLD
 by BOB MASON <skydive@usa.net>
 4) [125699] RE: Baffling CD-ROM Problem
 by "Kory Hamzeh" <kory@avatar.com>
 5) [125700] Re: OT WWII Radio Interception rooms
 by <jfox6@houston.rr.com>
 6) [125701] UPDATE: WM-2 now sold
 by BOB MASON <skydive@usa.net>
 7) [125702] Re: QRP Items for sale Update
 by "Ronald Davis" <RDavis24@carolina.rr.com>
 8) [125703] RE: Misc Projects for Sale
 by "Dan Reynolds" <bcdlr@insightbb.com>
 9) [125704] Re: Baffling CD-ROM Problem
 by Pete Burbank <plburbank@kih.net>
 10) [125705] Re: off-topic--threading aluminum
 by David Gilson <kd3em@velocity.net>
 11) [125706] Re: Baffling CD-ROM Problem
 by "Mike Yetsko" <myetsko@insydesw.com>
 12) [125707] OT: Mystery PCB
 by "Ian Wilson" <ianmwilson@earthlink.net>
 13) [125708] Re: off-topic--threading aluminum
 by "Mike Yetsko" <myetsko@insydesw.com>
 14) [125709] More 6 Meter PSK: 01 May 2002
 by wkhibbert@juno.com
 15) [125710] Re: OT Posts in General
 by wkhibbert@juno.com
 16) [125711] Re: OT: Baffling CD-ROM Problem
 by adamvaz@palm.net (Adam Vazquez)
 17) [125712] Re: OT Posts in General
 by tailfeathers@juno.com
 18) [125713] Re: OT Posts in General
 by "Mike Yetsko" <myetsko@insydesw.com>
 19) [125714] Attention Minnesota QRP hams -- June Field Day near Twin Cities?

by Kevin L Anderson <k9iua@juno.com>
20) [125715] Re: OT Posts in General
by Tom Feeny <tfeeny@comcast.net>
21) [125716] HB - filter crystal set needed + a question
by Harry Hurst <wa3ptg@comcast.net>
22) [125717] Re: Accessing the message achives?
by Jim Eshleman <jce0@Lehigh.EDU>
23) [125718] OT: RE: Baffling CD-ROM Problem
by "Ed Tanton" <n4xy@earthlink.net>
24) [125719] QRPTTF - K7RE
by Brian Kassel <bkassel@dancris.com>
25) [125720] pc board question
by Bruce Rattray <rattray@gpfn.sk.ca>
26) [125721] QRP items for sale. This is whats left
by "Ronald Davis" <RDavis24@carolina.rr.com>
27) [125722] Re. OT posts in general
by Pete Burbank <plburbank@kih.net>
28) [125723] Honey pie scope
by Pete Burbank <plburbank@kih.net>
29) [125724] Re: Baffling CD-ROM Problem
by Bob Nielsen <nielsen@oz.net>
30) [125725] Re: OT WW II Radio Interception rooms
by Bob Nielsen <nielsen@oz.net>
31) [125726] RE: Baffling CD-ROM Problem
by "Kory Hamzeh" <kory@avatar.com>
32) [125727] Re: Baffling CD-ROM Problem
by "Charles Mabbott" <aa8vs@msn.com>
33) [125728] Problems with VN66AFD PA of GQ40
by "EA5XQ(Juan A. Bertolin)" <ea5xq@qsl.net>
34) [125729] Re: OT WW II Radio Interception rooms
by "Pastor-KC1DI" <elbc@pivot.net>
35) [125730] Re: pc board question
by "Mike Yetsko" <myetsko@insydesw.com>
36) [125731] Re: Problems with VN66AFD PA of GQ40
by "Mark J. Dulcey" <mark@buttery.org>
37) [125732] Re: VLF Transmitter & Receiver
by Jake Brodsky <frussle@erols.com>
38) [125733] NOGA QRPTTF (NQ4RP)
by "Michael C. Boatright" <ko4wx@mindspring.com>
39) [125734] DK1HE SMD 40 Kit
by Tim ORourke <TORourke@KaiserFT.com>
40) [125735] [OT]: Re: OT Posts in General
by "Tim, N9PUZ" <N9PUZ@arrl.net>
41) [125736] Re: OT Posts in General
by "Dan Hogan" <dhhogan1@earthlink.net>
42) [125737] FS: Filters
by Bob W7AVK <rsrolfne@atnet.net>
43) [125738] Biasing MOSFETS?

by Bill Meara <n2cqr@clix.pt>
44) [125739] Re: OT WWII Radio Interception rooms
by Marcus C Leatham <leatham1@juno.com>
45) [125740] Qrp plus manual
by "Hal" <kc0bdw2@hotmail.com>
46) [125741] Apology
by <jfox6@houston.rr.com>
47) [125742] Re: pc board question
by Steven Weber <kd1jv@moose.ncia.net>
48) [125743] RE: Baffling CD-ROM Problem
by Steven Weber <kd1jv@moose.ncia.net>
49) [125744] RE: Biasing MOSFETS?
by "Ray Goff" <radioham@gmx.co.uk>
50) [125745] RE: Apology
by "Ray Goff" <radioham@gmx.co.uk>
51) [125746] Re: Apology
by "Ham" <KD5NWA@mbayona.com>
52) [125747] Re: Qrp plus manual
by Tim ORourke <TORourke@KaiserFT.com>
53) [125748] Re: pc board question
by "Brad Hernlem" <alihernlem@hotmail.com>
54) [125749] Re: Baffling CD-ROM Problem
by Bob Nielsen <nielsen@oz.net>
55) [125750] Re: pc board question
by "Ted Williams" <ted@g0ull.fsnet.co.uk>
56) [125751] Re: Baffling CD-ROM Problem
by Bob Nielsen <nielsen@oz.net>
57) [125752] Lost tester information - Please help.
by wa0goz@arrl.net
58) [125753] QRPTTF Colorado FD
by "Steve/n0tu" <n0tu@codenet.net>
59) [125754] BLT Tuners, Crystals, and Doug's Vacation
by "Doug Hendricks" <ki6ds@dph.dpol.net>
60) [125755] Better URL for BLT
by "Doug Hendricks" <ki6ds@dph.dpol.net>
61) [125756] ground vs. counterpoise
by "Stuart Rohre" <rohre@arlut.utexas.edu>
62) [125757] Fwd: Re: Apology
by adamvaz@palm.net (Adam Vazquez)
63) [125758] Re: Apology
by "John Paul Keon" <jpkeon@nc.rr.com>
64) [125759] TINY-TORNADO Micro-Transceiver Kits - Now Accepting Orders
by "Brice D. Hornback" <bdh@cyberbound.net>
65) [125760] Matching Tuner For QRP+?
by NV9Z@aol.com
66) [125761] [CONTEST]Spring QRP Homebrewer Sprint Results
by Ken Newman <N2CQ@Dandy.net>
67) [125762] Re: OT Posts in General

 by "tmyers" <tmyers@AcademicPlanet.com>
 68) [125763] Re: OTOT: Baffling M/S CD-ROM Problem
 by adamvaz@palm.net (Adam Vazquez)
 69) [125764] Re: Antenna help.
 by Bill Coleman <aa4lr@arrl.net>
 70) [125765] Re: Antenna Impedance (was: RE: Mobile whips)
 by Bill Coleman <aa4lr@arrl.net>
 71) [125766] Re: Antenna help.
 by W2AGN <w2agn@w2agn.net>

Date: Sun, 28 Apr 2002 16:15:55 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [125696] QTTF-Great Fun!
Message-ID: <003101c1ef0a$a65b5780$c3127d3f@nk7m>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This one was lots of fun, the first one I really had the time to work in
quite awhile. Only got 39 Q's, 33 SPC's, but had a ball.

High points; Dave K1SWL, the USS KIDD W5KID, OJ was back K5OJ, Seab in Maine
AA1MY and Mark in NY K2QO. Oh, and AJ4AY on the boat :^).

Plenty of the old standbys as well. The rig was the faithful K2 into a
random wire (forgot my 'good' antenna), but it turned out fine.

10M was a good band, kept checking on the hour, but not many folks there.

Total score was 51,480 from the shore of Lake Pleasant. Wind from 30-40,
with gusts to 60 (so they say), so the DK9SQ got a workout staying vertical.

Bob NK7M

Date: Sun, 28 Apr 2002 19:21:23 -0400
From: "John Dorson" <jdorson@Worldshare.net>
To: <kory@avatar.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [125697] Re: Baffling CD-ROM Problem
Message-ID: <001f01c1ef0b$6dccc6a0$81273841@atwork>

MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think next we should open this list to photograph or and thing else.

It's getting ridiculous...!!!
----- Original Message -----
From: "Kory Hamzeh" <kory@avatar.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, April 28, 2002 6:42 PM
Subject: OT: Baffling CD-ROM Problem

>
> Hey Guys,
>
> This is totally off-topic, but I am totally stumped. I ran into this
problem
> again when I tried the new callbook cd-rom.
>
> I bought a Pentium III 450 machine about 2 years ago. It came with a CD-R
> drive. It worked fine for about a year and stopped working well. If I
insert
> a cd-rom in the drive, I could read it the first time, but one the second
> access it could not read the drive anymore.
>
> So I replaced the CD-ROM drive with a new drive. Everything worked fine
for
> about 9 months and the exact same problem came back. Most of the time, it
> would not show the files on the drive at all. I can click on the drive
> letter in Windows Explorer, but the drive shows up empty.
>
> So I replaced the drive last January, and the problems started again a
> couple of weeks ago.
>
> I'm running Win 98 Second Edition. Windows tells me the drive is working
OK
> and the latest device driver in installed. The CD-ROM Burning software
came
> with very extensive diagnostics and every test I do (data transfer, burst
> test, seek, etc.) tells me the drive is OK. But for some reason, I can not
> access or see the files.
>
> It is a ATI Drive which is the IDE Master on the Second controller. I
> replaced the cable, and I've disconnected everything else.
>

> I'm totally stumped and was hoping someone on this list can suggest other
> things to try. I have not replaced the hard disk controller, but I do have
a
> tape drive on the slave setting and it works OK.
>
> Thanks & 73,
> Kory
> AC6RN
>

Date: Sun, 28 Apr 2002 19:37:04 -0400
From: BOB MASON <skydive@usa.net>
To: <qrp-l@Lehigh.EDU>
Subject: [125698] update: MFJ-784 and BK Gen SOLD
Message-ID: <20020428233704.21010.qmail@uadvg137.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Update on my spring going out of mind sale.
The MFJ DSP and the BK signal generator are no longer available.

THe WM-2 watt meter has had an inquiry but is still available at this tim=
e.

72

Bob WB8CAC

K1 #1150, QRP-ARCI 11116, FISTS 6970, Shoe size 10 1/2

Date: Sun, 28 Apr 2002 16:39:59 -0700
From: "Kory Hamzeh" <kory@avatar.com>
To: "John Dorson" <jdorson@Worldshare.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [125699] RE: Baffling CD-ROM Problem
Message-ID: <000601c1ef0e$02539fe0$14ce21c7@avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't think there are too many off topic questions on this list.
Obviously, you disagree. But the great thing about this country is that it
is OK to disagree.

> -----Original Message-----
> From: John Dorson [mailto:jdorson@Worldshare.net]
> Sent: Sunday, April 28, 2002 4:21 PM
> To: kory@avatar.com; Low Power Amateur Radio Discussion
> Subject: Re: Baffling CD-ROM Problem
> Importance: High
>
>
> I think next we should open this list to photograph or and thing else.
>
> It's getting ridiculous...!!!
> ----- Original Message -----
> From: "Kory Hamzeh" <kory@avatar.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Sunday, April 28, 2002 6:42 PM
> Subject: OT: Baffling CD-ROM Problem
>
>
> >
> > Hey Guys,
> >
> > This is totally off-topic, but I am totally stumped. I ran into this
> problem
> > again when I tried the new callbook cd-rom.
> >

Date: Sun, 28 Apr 2002 18:48:17 -0500
From: <jfox6@houston.rr.com>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [125700] Re: OT WWII Radio Interception rooms
Message-ID: <005601c1ef0f$2b994f20$0924ae18@houston.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

David,
 I was in the Pentagon Message Center during WWII.
In that same area was the Crypt room.
 The message Center received the CW and RTTY inputs from the receiver

site at Silver Springs, MD.
That location had elaborate receiving setups of Rhombic antennas
 There were two transmitting sites, one very near the Pentagon, and the other was located on the "flood Plain" of the Patomac River just across from the Ford Torpedo Plant. This particular site was heavily endowed with many Rhombic antenna as well.
 I didn't see the TV show, but each receiver site was equipt with two recievers. Usually the agc of one was crossed with the other to defeat fading. It didn't always work.
 High speed communications was conducted at 525 wpm with a device called Boehme(?). It involved punched tapes fed into a high speed reader/keyer. Receiving was done with the audio fed into a high response pen stylus onto which dits and dashed were literally written onto a fast moving tape. The tape was taken up on a reel. When the transmission was finished, the tape was fed into a channel ontop of a typewriter, and the operator actually visually "read" the dits and dashes, which eventually became a message.
 All messages ultimately were fed into the crypt room.

hope this will sort of set the stage of what happened. The TV probably had lots of knob twisters to make the story interesting.

73 and GL,

Foxy
jfox6@houston.rr.com
http://www.qsl.net/w5hir

Date: Sun, 28 Apr 2002 19:57:11 -0400
From: BOB MASON <skydive@usa.net>
To: <qrp-l@Lehigh.edu>
Subject: [125701] UPDATE: WM-2 now sold
Message-ID: <20020428235711.5466.qmail@cmsweb26.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

EVERYONE,

Thanks for all the replies. All the items are now sold. The WM-2 went l=
ast.

72

Bob WB8CAC

K1 #1150, QRP-ARCI 11116, FISTS 6970, Shoe size 10 1/2

Date: Sun, 28 Apr 2002 20:06:04 -0400
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [125702] Re: QRP Items for sale Update
Message-ID: <00fa01c1ef11$a762d840$a13e4a18@your318ruqz03z>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, April 28, 2002 11:39 AM
Subject: QRP Items for sale

> Hello
> I have the following left for sale.
>
> Small Wonder Labs White Mountain 20m SSB rig in custom case, with Blue Sky
> Digital Display, Speaker, Radio Shack Mic, manuals $175 shipped CONUS.
Case
> is very nice email direct for a picture of the rig. I will listen to
offers.
> Trade on Hammarlund gear, trade up or down
>
> Autek Research QF-1A SSB/CW/AM Filter in very good condition, with
> instruction sheet. $60 shipped CONUS
>
> Vibroplex Blue Racer Bug with Case in very good condition, missing damper
> wheel and weight $120 Shipped CONUS SOLD
>
> E.F. Johnson Speed-X Semi Automatic key, Bug is in good condition $60
> shipped CONUS SOLD
>
> Please send email direct for questions. Pictures can be provided on all
> above.
> Thanks and 72 de KE4VPN
>
>

Date: Sun, 28 Apr 2002 19:12:19 -0500
From: "Dan Reynolds" <bcdlr@insightbb.com>
To: "qrp-L Reflector \(qrp-L Reflector\)" <qrp-l@Lehigh.EDU>
Subject: [125703] RE: Misc Projects for Sale
Message-ID: <000801c1ef12$86f0c3a0$0100a8c0@c1641599a>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

#1 & #2 are spoken for but I still have #3.
#3 is the 6 meter AM transceiver put out by the IA QRP club. I have the board, the pots, a used CB modulation transformer, the modulator chip, the crystal filter (the good one), and the coil form. I'm thinking $35 for this as well.
Make me an offer.

Dan Reynolds KB9JLO

Date: Sun, 28 Apr 2002 20:45:42 -0400
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [125704] Re: Baffling CD-ROM Problem
Message-ID: <5.0.2.1.0.20020428203519.0225bec0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:21 PM 4/28/2002 -0400, John Dorson wrote:
>I think next we should open this list to photograph or and thing else.
>
>It's getting ridiculous...!!!
>----- Original Message -----
>From: "Kory Hamzeh" <kory@avatar.com>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Sent: Sunday, April 28, 2002 6:42 PM
>Subject: OT: Baffling CD-ROM Problem

SNIP
John,
there are these things called filters and if you screen any header containing OT you

should not be disturbed. Obviously we all use computers and have problems now
and then and many on the list are very knowledgeable and work in the field
so what better place to
ask a question. Is the full moon over yet? :-)
Pete NV4V

Date: Sun, 28 Apr 2002 20:59:49 -0400
From: David Gilson <kd3em@velocity.net>
To: igeq100@iupui.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [125705] Re: off-topic--threading aluminum
Message-ID: <3CCC9B05.DC1FE61D@velocity.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Randy,

The only other thing that I might add is to let the die do the work and don't
force it.
You may only get a couple of turns on the die and then you will have to back it
off so the
die will clean itself, and if you do force it to much you may brake the rod right
at the
threads.

73 de Dave KD3EM

USN AMS Retired.

igeq100@iupui.edu wrote:

> Hi, Randy -
>
> This might help. Use a 1/4-20 die, and before you begin to thread
> the rod, use a file and taper the end into a cone about as deep as the
> bottom of the threads. Clamp the rod securely in a vise, and be careful to
> make the cone as symmetrical as
> possible, and try very hard to keep the die holder at exactly right angles
> to the rod. Lubricate the process with WD-40. It might help to cut the
> rod to final length AFTER the threading to allow some room for false
> starts. A possible source of Al rod might be www.mcmaster.com or
> www.onlinemetals.com. Both of these firms are good to do business with
> and have web sites that are easy to search.

>
> Hope this helps.
>
> Rich, WB9LPU
>
> On Sun, 28 Apr 2002, Randall M. Payne wrote:
>
> > Can anyone help a novice metal worker? I need to thread some 1/4" aluminum
rod
> > for an antenna. Need help on things like best size die to use, how to proceed
> > without mangling the threads, etc. My efforts so far using 1/4" x 20 or 28
dies have
> > produced only mangled threads or simply reducing the diameter of the rod
without
> > threading it. Appreciate any help provided.
> > While on the topic of aluminum rod, anyone know a good source for 3/16"
> > aluminum rod in lengths longer than 36"? Texas Tower used to carry it but
last time
> > I checked, they no longer listed it.
> > Thanks and 73,
> > Randy K4EZM
> >
> >
> >
> >
> >

Date: Sun, 28 Apr 2002 20:52:36 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kory@avatar.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [125706] Re: Baffling CD-ROM Problem
Message-ID: <004101c1ef18$29e4d240$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, first thing is to find out if your trashing the drives. You
probably
are, but plug them onto another machine and see if they are still bad.
More than likely, they are. You're probably blowing the diode. And
there's not much that can cause that, except use. Ok, you COULD be
having a weird voltage problem, but other than that...

I hand an HP drive that was made by Phillips. Worst piece of equipment
I've ever dealt with.

I WAS told by one individual that the media could cause it. Something
to do with one 'type' of media that causes the drive to kick to full write
current and really shortens the life of the LED, but I've not verified
that
at all. Although I WILL say that at work we had multiple failures of
HP 7100 drives in engineers machines, and they all happened in a short
span of time just after we took a shipment of blank media from a new
supplier (new brand name).

Mike

----- Original Message -----
From: "Kory Hamzeh" <kory@avatar.com>
>
> Hey Guys,
>
> This is totally off-topic, but I am totally stumped. I ran into this
problem
> again when I tried the new callbook cd-rom.
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> test, seek, etc.) tells me the drive is OK. But for some reason, I can

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> access or see the files.
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> replaced the cable, and I've disconnected everything else.
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> I'm totally stumped and was hoping someone on this list can suggest
other
> things to try. I have not replaced the hard disk controller, but I do
have a
> tape drive on the slave setting and it works OK.
>
> Thanks & 73,
> Kory
> AC6RN

Date: Sun, 28 Apr 2002 18:08:51 -0700
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [125707] OT: Mystery PCB
Message-ID: <002401c1ef1a$6cde9840$0b02a8c0@0020115492>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I picked up a circuit board at a swap meet earlier today thinking it might
be the guts of an antenna
tuner. Now I'm not so sure. Any ideas?

It has 2 rows of 4 inductors in cans along one edge. Each inductor has one
(on the right side) or two
(on the left side) relays. There is a row of pairs of fixed/trimmer caps
followed by a row of 8 relays
on each side, for a total of 28 relays in total. The inductors have
markings such as "012 380".

The relays are driven from 8-bit CMOS latches with serial inputs, via a
74HC14 from a 25-pin DIN
connector. There are two small toroidal transformers on the board and what
looks like a power
regulator section. There is provision for another relay at what looks like
the input/output position but
this one is missing, as are anything looking like RF connectors.

--ian, k3imw/6

Date: Sun, 28 Apr 2002 21:04:19 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kd3em@velocity.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [125708] Re: off-topic--threading aluminum
Message-ID: <005501c1ef19$cc285260$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The few times I've threaded aluminum rods, I don't think I did more than maybe 45 degrees or so at a time. It was almost a constant go forward, go back, forward, back, kind of thing, with each forward taking just bit more of a turn. Aluminum really 'gunks up' the cutter threads quickly. It's
a constant battle to do it with a regular circular die.

Mike

----- Original Message -----
From: "David Gilson" <kd3em@velocity.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, April 28, 2002 8:59 PM
Subject: Re: off-topic--threading aluminum

> Hello Randy,
>
> The only other thing that I might add is to let the die do the work and don't force it.
> You may only get a couple of turns on the die and then you will have to back it off so the
> die will clean itself, and if you do force it to much you may brake the rod right at the
> threads.
>
> 73 de Dave KD3EM
>
> USN AMS Retired.

>
> igeq100@iupui.edu wrote:
>
> > Hi, Randy -
> >
> > This might help. Use a 1/4-20 die, and before you begin to thread
> > the rod, use a file and taper the end into a cone about as deep as the
> > bottom of the threads. Clamp the rod securely in a vise, and be careful to
> > make the cone as symmetrical as
> > possible, and try very hard to keep the die holder at exactly right angles
> > to the rod. Lubricate the process with WD-40. It might help to cut the
> > rod to final length AFTER the threading to allow some room for false
> > starts. A possible source of Al rod might be www.mcmaster.com or
> > www.onlinemetals.com. Both of these firms are good to do business with
> > and have web sites that are easy to search.
> >
> > Hope this helps.
> >
> > Rich, WB9LPU
> >
> > On Sun, 28 Apr 2002, Randall M. Payne wrote:
> >
> > > Can anyone help a novice metal worker? I need to thread some 1/4" aluminum rod
> > > for an antenna. Need help on things like best size die to use, how to proceed
> > > without mangling the threads, etc. My efforts so far using 1/4" x 20 or 28 dies have
> > > produced only mangled threads or simply reducing the diameter of the rod without
> > > threading it. Appreciate any help provided.
> > > While on the topic of aluminum rod, anyone know a good source for 3/16"
> > > aluminum rod in lengths longer than 36"? Texas Tower used to carry it but last time
> > > I checked, they no longer listed it.
> > > Thanks and 73,
> > > Randy K4EZM
> > >
> > >
> > >
> > >
> > >
> > >

>
>

Date: Sun, 28 Apr 2002 21:20:54 -0400
From: wkhibbert@juno.com
To: qrp-l@lehigh.edu
Subject: [125709] More 6 Meter PSK: 01 May 2002
Message-ID: <20020428.212055.-311411.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Keith here in the Depths of the Great Bergen Swamp

After last Wednesday's PSK-31 try on 6 Meters a number of us here in the Rochester, NY area are going to give it a go on Wednesday nights for a few weeks.

We will be on the air at 1900 EDT (2300Z) on Wednesdays starting this coming week, which if my mental calendar is correct is 01 May 2002.

Stations presently set up and willing to get on the air are:

K2SHN - John
N2VNO - Jim
WB2VUO - Keith

We are looking for others that would like to join us. The late spring/summer sporadic-E skip season is coming up and even with modest antennas and QRP power we should be able to make contacts from local out to 1200 Mi single-hop and both coasts on double-hop. Europe is not out of the question.

The frequency will be 50.290 MHz with +1000 hz audio.

Hope to see you there, and "SWL" reports would also be appreciated!

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"
mailto:wb2vuo@arrl.net

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Date: Sun, 28 Apr 2002 21:40:44 -0400
From: wkhibbert@juno.com
To: qrp-l@lehigh.edu
Subject: [125710] Re: OT Posts in General
Message-ID: <20020428.214044.-438599.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello to all, Keith here in the Depths of the Great Bergen Swamp

First off, amongst other hats that I wear, I am one of the Tech Coordinators for the Western NY section of the ARRL. I was asked over 10 years ago to help out as a Tech Specialist which is best described as the local "Mr. Know-it-all" representing the League in a given area.

Since then I have become the coordinator for the other Tech Specialists. Over the years the type of questions that we are asked to help with have changed greatly

In 1989 the typical question would have been "How do I get on 80M with a city-sized lot?" or "Where can I find someone to fix my <fill in the blank> radio?" to "How do I get a permit for my tower?" Now the typical question is almost ALWAYS a computer-related question. It could be "How do I interface my <fill in the blank> radio with Digipan?" to "How do I get my logging software to talk to my radio?" to "Where can I find someone to help me reload Win95?"

Rig or computer, there's still a need to answer (and ask) questions. How are YOU reading this post? Are you reading it on you favorite QRP rig? Are you reading it on your ZM-2 tuner? You are reading it on a COMPUTER, therefore a question about COMPUTERS is relevant to the List.

You may (and some probably will) disagree with my chain of logic, but the day that anyone is told not to ask a question because we don't help anyone on THAT subject here is a loss for all the list members and the amateur community.

Set your filters, exercise your <DELETE> keys, turn off your computers and limber up your best bug on the low end of 40 Meters but don't stifle those that need to ask for help and recognize the need to do so.

There is no such thing as a stupid question, but there are a bunch of

really stupid replies at times.

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"
mailto:wb2vuo@arrl.net

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Date: Sun, 28 Apr 2002 21:51:40 -0400
From: adamvaz@palm.net (Adam Vazquez)
To: kory@avatar.com, qrp-l@Lehigh.EDU
Subject: [125711] Re: OT: Baffling CD-ROM Problem
Message-ID: <20020429015140.97F3E4513@mo120uhou.palm.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello de Adam

Your problem is you are using the CD-ROM drive as master. Use them as
Slave on the IDE cables. That will solve your 1problems. It is a
firmware issue by the CD-ROM manufacturers. I will happy to explain
off-list, away from 'the purists'.

Adam Kb2Jpd

Never be afraid to try something new. Remember, amateurs built the ark.
Professionals built the Titanic.
 --Unknown.

Date: Sun, 28 Apr 2002 20:01:35 -0600
From: tailfeathers@juno.com
To: wkhibbert@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [125712] Re: OT Posts in General
Message-ID: <20020428.200135.-1737065.0.tailfeathers@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This topic has come and gone so many times you would think by now that people would have figured out that without our computers we wouldn't even be here discussing qrp or anything else. I use my CDRW very often to store data and it is quite often qrp related. Thanks Keith for a bright, reasonable response to the subject. I was just about to tee off on some of these losers that thinks the world revolves around them.

Gary
n8gsj

On Sun, 28 Apr 2002 21:40:44 -0400 wkhibbert@juno.com writes:
> Hello to all, Keith here in the Depths of the Great Bergen Swamp
>
> First off, amongst other hats that I wear, I am one of the Tech
> Coordinators for the Western NY section of the ARRL. I was asked
> over 10
> years ago to help out as a Tech Specialist which is best described
> as the
> local "Mr. Know-it-all" representing the League in a given area.
>
> Since then I have become the coordinator for the other Tech
> Specialists.
> Over the years the type of questions that we are asked to help with
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> changed greatly
>
> In 1989 the typical question would have been "How do I get on 80M
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> city-sized lot?" or "Where can I find someone to fix my <fill in
> the
> blank> radio?" to "How do I get a permit for my tower?" Now the
> typical
> question is almost ALWAYS a computer-related question. It could be
> "How
> do I interface my <fill in the blank> radio with Digipan?" to "How
> do I
> get my logging software to talk to my radio?" to "Where can I find
> someone to help me reload Win95?"
>
> Rig or computer, there's still a need to answer (and ask) questions.
> How
> are YOU reading this post? Are you reading it on you favorite QRP
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> Are you reading it on your ZM-2 tuner? You are reading it on a
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> therefore a question about COMPUTERS is relevant to the List.
>

> You may (and some probably will) disagree with my chain of logic,
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> anyone on THAT subject here is a loss for all the list members and
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> amateur community.
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> Set your filters, exercise your <DELETE> keys, turn off your
> computers
> and limber up your best bug on the low end of 40 Meters but don't
> stifle
> those that need to ask for help and recognize the need to do so.
>
> There is no such thing as a stupid question, but there are a bunch
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> really stupid replies at times.
>
> 73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
> President, Brockport Amateur Radio Klub
> "My night light runs more power than my Rig!!!"
> mailto:wb2vuo@arrl.net
>
> ___
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>

Date: Sun, 28 Apr 2002 21:56:41 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <wkhibbert@juno.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [125713] Re: OT Posts in General
Message-ID: <001101c1ef21$2d6900e0$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> In 1989 the typical question would have been "How do I get on 80M with a
> city-sized lot?" or "Where can I find someone to fix my <fill in the
> blank> radio?" to "How do I get a permit for my tower?" Now the typical
> question is almost ALWAYS a computer-related question. It could be "How
> do I interface my <fill in the blank> radio with Digipan?" to "How do I

> get my logging software to talk to my radio?" to "Where can I find
> someone to help me reload Win95?"

Or, how do I thread aluminum! Which, in my mind isn't off topic at all.

Is this the spot where I can make a 'tongue in cheek' derisive post about
'appliance operators' that only buy antennas?

(Sorry, I just couldn't resist! I know, I should have!)

Seriously, HAM radio today is MUCH more than just the radio. Just
because it's not something directly involved with turning a knob or
tuning a dial doesn't mean it's not HAM. Of course, it IS a stretch when
people ask PC questions with the only tie-in to HAM the fact they use
the computer for logging, designing, or radio operation.

But if we get picky about that, then why aren't we picky about the
vehicle questions about bumper mounts? Or about where to place a
radio in a car? Or backpacking? (Opps, sorry, someone DID raise
a stink when someone posted on things to make sure you take packing
to operate a radio! They got in a snit about the mosquito repellant
post!)

But ALL this is the 'periphery' of HAM radio. Leave it OT, even though
in my mind it's actually just 'off center topic'.

But I suppose someone will 'know what's best for us all' and soon
chime in with a moan, and then someone will threaten to leave (they
rarely ever do), and even wish for moderation....

Mike

Date: Mon, 29 Apr 2002 01:59:56 +0100
From: Kevin L Anderson <k9iua@juno.com>
To: qrp-l@lehigh.edu
Subject: [125714] Attention Minnesota QRP hams -- June Field Day near Twin Cities?
Message-ID: <20020429.015959.8766.0.K9IUA@juno.com>

Minnesota QRPers:

My parents have scheduled their 50th Anniversary
to be during the fourth weekend in June -- that is,
during ARRL Field Day.

I'm looking for a Field Day operation that I could
drop in on for several hours on Saturday evening,
preferably on the east or north side of the city (as
I will be in Forest Lake), to meet some people and
help operate (if you want). Is the MN QRP group
doing a FD this year?

Any information will be appreciated. Thanks!
Cheers/73,
Kevin Anderson, K9IUA
* *
Kevin Anderson, K9IUA, Dubuque, Iowa
e-mail: K9IUA@juno.com Opinions all my own.
* *

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Date: Sun, 28 Apr 2002 22:20:15 -0400
From: Tom Feeny <tfeeny@comcast.net>
To: *QRP-L <qrp-l@Lehigh.EDU>
Subject: [125715] Re: OT Posts in General
Message-ID: <000a01c1ef24$707ebde0$24553e44@waldlk01.mi.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> There is no such thing as a stupid question,
> but there are a bunch of really stupid replies
> at times.

Yep.

Date: Sun, 28 Apr 2002 22:28:04 -0400
From: Harry Hurst <wa3ptg@comcast.net>
To: qrp-l@lehigh.edu
Subject: [125716] HB - filter crystal set needed + a question

Message-ID: <HIEKLOODELDPNBOHKICHIECGCBAA.wa3ptg@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

After numerous false starts, brain farts and cold solder joints, my 40 meter NN1G receiver is working great! Dave Benson designed a great little rig. This radio will be used with my Novice Special & various QRPp transmitters.

Now that I've been successful with a dead bug/manhattan-style receiver project, I want to try a 30 meter NN1G transceiver. Where can I buy a matched set of 7.880 crystals? I'll need 4 matched + 2. If not 7.880, what would be a good IF for 30? I tried an 8.00 MHz. filter on my first superhet attempt a couple of years ago, It was pretty much overwhelmed by the 49 meter images. That, and mechanical problems doomed that project to failure.

TIA

72
Hap, WA3PTG
Wilmington DE

Date: Sun, 28 Apr 2002 23:04:03 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: n2apb@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [125717] Re: Accessing the message achives?
Message-ID: <3CCCB823.8080302@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 7bit

George,

On IE 6, uncheck the "Enable folder view for FTP sites" box at Tools/Internet Options/Advanced/Browsing. There is most likely a similar option on other versions of IE that experience the problem.

The problem at least with IE 6 is that it scans the remote directory and if it doesn't see the file you've asked to retrieve it doesn't even

try to retrieve it. The indexes don't include the ".Z" suffix on the file names so that the ftp server will uncompress on-the-fly, and that confuses IE.

 Oops, yes, 2001/2002 archives are in the 2000 folder - for now.

73
Jim N3VXI

Date: Sun, 28 Apr 2002 23:07:03 -0400
From: "Ed Tanton" <n4xy@earthlink.net>
To: <plburbank@kih.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [125718] OT: RE: Baffling CD-ROM Problem
Message-ID: <009501c1ef2a$f2488b70$c39efea9@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

I completely agree... use your filter or that Delete key. A discussion of my banded CAL kingsnake Lumpy (who did happen to bite me for the 1st time the other day-my fault: he was THAT hungry and I was THAT slow) or tropical fish, or whatever else,is pretty much off the wall, is probably out of order... but cpu stuff affects virtually us all (else how could we be reading this?)

Also, the discussions about fault/no fault - ON/OFF topic seem to be worse than the original comments and replies.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Sun, 28 Apr 2002 20:26:00 -0700
From: Brian Kassel <bkassel@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [125719] QRPTTF - K7RE
Message-ID: <3CCCBD48.4AA4ECAC@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue:

 Now that was just pure fun. Propagation wasn't great here, but I did manage to make 55 QSO's. I haven't as yet tallied the total score. I ran my K-1-4 and it was completely solar powered! I put a very large capacitor across the power input and a simple regulator circuit that cut off the solar panel when the voltage got above 14.5 volts, on at about 12 volts. I had to attend a meeting that only allowed operation for about 5 hours total. I was on 15 and 20M, as the K-1 doesn't cover 10M of course. The antenna was a simple 33 foot wire anchored to the top of my 33 foot DK9SQ fiberglass mast. I used a simple 16 foot counterpoise wire laid on the ground. The automatic tuner in the K-1 tuned the wire perfectly on all bands. I tried 40M, but never got a QSO there. I logged on an HP-200LX palmtop running TRLog. The K-1 and Palmtop made an extremely small but efficient QRP contest set up.

 It was great QRP fun. Pure QRP- no frills. Sure wish that we could do this sort of contest more than once a year.

Brian K7RE

Date: Sun, 28 Apr 2002 21:29:08 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [125720] pc board question
Message-ID: <Pine.LNX.4.33.0204282125020.304-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have been given a pc board which has been etched with a number of

copies of the same board for a code oscillator workshop...I used a bandsaw to cut the board...the copper circuit is covered with a black substance (toner?) and I want to know how to get it off so as to uncover the copper circuitry ...please and thank you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
 A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
 - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
 "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 28 Apr 2002 23:55:38 -0400
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [125721] QRP items for sale. This is whats left
Message-ID: <001901c1ef31$b9af1660$a13e4a18@your318ruqz03z>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello
Well everything sold pretty fast. Here is whats left

Autek Research QF-1A SSB/CW/AM Filter in very good shape with instructions
Price was $60 now only $45 shipped CONUS

Will trade, what do you have? Have a MFJ filter now and do not need this one.
Thanks
Ronnie
KE4VPN

Date: Sun, 28 Apr 2002 23:50:52 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [125722] Re. OT posts in general
Message-ID: <5.0.2.1.0.20020428231207.00a79ec0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I was thinking that it is a good idea to maintain perspective regarding

posts. By that I mean
expect subjects that you are not especially interested in since hams are such a diversified
bunch of folks. If you go to Dayton this year, take your eyes off the goodies for awhile
and look around at the troops....some are not exactly mainstream including me.:-) :-}
I must confess to reading "Wanda Hickey's Night of Golden Memories" by Jean Shepherd
(a Ham) and listening to Art Bell (also a Ham) now and then.
Personally I enjoy comments about threading gummy aluminum and ideas about antennas
and enclosures and all the adventures afield and refuse to shrink my brain receptors to
the size of an Altoids tin. :-)
73 Pete NV4V
Norton I/O

Date: Mon, 29 Apr 2002 00:06:19 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [125723] Honey pie scope
Message-ID: <5.0.2.1.0.20020428235106.00a7dec0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Got a Phillips 3267 from Fair Radio a few days ago for $200 and it is a real beaut!
I have driven most major brands over the years and love this one. 100 mHz and lots of features not readily apparent from the catalog like differential input,
delayed sweep, A sweep intensified by B and ergonomic switchery.
Usual disclaimer.
It weighs about 25 pounds so this may not qualify as a QRP post :-)
73 Pete NV4V

Date: Sun, 28 Apr 2002 22:59:57 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [125724] Re: Baffling CD-ROM Problem

Message-ID: <20020429055957.GB27526@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

I think there is some strange force at work here. Quite recently my
CD-RW drive and my wife's CD-R drive both stopped working. On top of
that, I've had 3 3-1/4 in. floppy drives die (2 completely, one still
reads and writes but won't boot) around the same time (and the computer
which has a working floppy drive just ate the sliding metal cover of a
disk so it is QRT also).

All of this gave me a good excuse to put together a couple of new
computers (to put a positive slant on all the whole thing).

Bob, N7XY

Date: Sun, 28 Apr 2002 23:12:24 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [125725] Re: OT WW II Radio Interception rooms
Message-ID: <20020429061224.GC27526@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Sun, Apr 28, 2002 at 06:49:28PM -0400, David Porter wrote:
> While watching the latest TV show on breaking the Enigma code, they showed a
> room full of intercept operators tuning National HRO-M's or something of
> that ilk. Did each receiver have an antenna, or did they have a
> distribution amplifier to pipe the RF around? If they did have a
> distribution amp, wouldn't that be the amplifier that defined the noise
> figure for the entire station? If all of this is true, how come it isn't
> more widely known?

Where was this shown (PBS?) I missed it, unfortunately.

Our local club recently showed a locally made video featuring Fort
Ward, which was used by the Navy during WWII for the interception of
Japanese traffic. The operators would copy the code groups and the
transcriptions were sent to Washington DC for decoding. Not many
details were shown, but it was still quite interesting. The Navy
callsign was NPC and the club now has W7NPC as a vanity call.

Bob Nielsen, N7XY
Bainbridge Island, WA

Date: Sun, 28 Apr 2002 23:49:21 -0700
From: "Kory Hamzeh" <kory@avatar.com>
To: <nielsen@oz.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [125726] RE: Baffling CD-ROM Problem
Message-ID: <000001c1ef49$fdf49440$14ce21c7@avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My daughter's PC developed the exact same problem as mine this weekend.
That's the other reason I posted that question. I was hoping it was some
sort of Win 98 bug that some one knew about. If it is wasn't for Microsoft
Office and QuickBooks, I'd be using Unix exclusively.

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Bob Nielsen
> Sent: Sunday, April 28, 2002 11:00 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Baffling CD-ROM Problem
>
>
> I think there is some strange force at work here. Quite recently my
> CD-RW drive and my wife's CD-R drive both stopped working. On top of
> that, I've had 3 3-1/4 in. floppy drives die (2 completely, one still
> reads and writes but won't boot) around the same time (and the computer
> which has a working floppy drive just ate the sliding metal cover of a
> disk so it is QRT also).
>
> All of this gave me a good excuse to put together a couple of new
> computers (to put a positive slant on all the whole thing).
>
> Bob, N7XY
>

Date: Mon, 29 Apr 2002 05:42:06 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: nielsen@oz.net, qrp-l@Lehigh.EDU
Subject: [125727] Re: Baffling CD-ROM Problem

Message-ID: <F5gTFur2iz2Mb1s7nlT00005e65@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Computers do not eat sliding metal covers, not enough fiber
for them. All kidding aside, you have to periodically check
your floppy disks. Those sliding metal covers will over a
period of time loose their crease so to speak and start to
lift. As far as the CDs I have nothing to add to that.

When this happens you may notice the floppy will seem to catch
when you take it out. You must be extremely careful
taking out the disk at this time. If you have data that you
just have to have, you can pop the sliding metal cover off
the disk and reinsert it in the computer and retrieve the
data. At this time you can put the data on another floppy.

>From reads and writes the floppies will give up the ghost after
a period of time and if they are subject to dust, smoking, or
extreme tempartures the period of time can be shortened.

73 oo
Chuck AA8VS

>From: Bob Nielsen <nielsen@oz.net>
>Reply-To: nielsen@oz.net
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Re: Baffling CD-ROM Problem
>Date: Sun, 28 Apr 2002 22:59:57 -0700
>
>I think there is some strange force at work here. Quite recently my
>CD-RW drive and my wife's CD-R drive both stopped working. On top of
>that, I've had 3 3-1/4 in. floppy drives die (2 completely, one still

Join the world s largest e-mail service with MSN Hotmail.
http://www.hotmail.com

Date: Mon, 29 Apr 2002 02:09:46 -0900
From: "EA5XQ(Juan A. Bertolin)" <ea5xq@qsl.net>
To: QRP - LIST ADDRESS <qrp-l@Lehigh.EDU>

Subject: [125728] Problems with VN66AFD PA of GQ40
Message-ID: <3CCD29FA.308DE9A8@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

Is it normal that when I press KEY TX in my GQ40, the current of my PA pushpull VN66AFD starts to DECREASE little by little? Is there any compensation circuit that is missing? I gather that due to temp compensation problems the current could increase but decrease???

Thanks

Juan

--
==========

EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW
Clubs: URE, G-QRP #9805, QRP-L #1461, EA-QRP #471
@@
Web Site: http://www.qsl.net/ea5xq (english version in
http://www.qsl.net/ea5xq/Indexeng.html)
==========

Date: Mon, 29 Apr 2002 06:33:27 -0400
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <nielsen@oz.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [125729] Re: OT WW II Radio Interception rooms
Message-ID: <001901c1ef69$4d2290c0$2caaba42@dor>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Bob Nielsen" <nielsen@oz.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, April 29, 2002 2:12 AM

Subject: Re: OT WW II Radio Interception rooms

> On Sun, Apr 28, 2002 at 06:49:28PM -0400, David Porter wrote:
> > While watching the latest TV show on breaking the Enigma code, they showed a
> > room full of intercept operators tuning National HRO-M's or something of
> > that ilk. Did each receiver have an antenna, or did they have a
> > distribution amplifier to pipe the RF around? If they did have a
> > distribution amp, wouldn't that be the amplifier that defined the noise
> > figure for the entire station? If all of this is true, how come it isn't
> > more widely known?
>
> Where was this shown (PBS?) I missed it, unfortunately.
>
> Our local club recently showed a locally made video featuring Fort
> Ward, which was used by the Navy during WWII for the interception of
> Japanese traffic. The operators would copy the code groups and the
> transcriptions were sent to Washington DC for decoding. Not many
> details were shown, but it was still quite interesting. The Navy
> callsign was NPC and the club now has W7NPC as a vanity call.
>
> Bob Nielsen, N7XY
> Bainbridge Island, WA

Nice club call

they use distribution amps but the had good antennas and the system worked quite well.

73 Dave

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.351 / Virus Database: 197 - Release Date: 4/19/02

Date: Mon, 29 Apr 2002 06:39:28 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <rattray@gpfn.sk.ca>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [125730] Re: pc board question

Message-ID: <004901c1ef6a$368767e0$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, in my case, I would have used steel wool and maybe and a solvent
like acetone (after testing on a corner of the PCB material to make sure
it didn't react with it) BEFORE I cut the boards apart!.

You could try other solvents to see if anything helps get whatever was
used
as 'resist' off the board. But unless you know what it was, it's going to
be hit and miss. However, the steel wool always works!

Mike

----- Original Message -----
From: "Bruce Rattray" <rattray@gpfn.sk.ca>

> I have been given a pc board which has been etched with a number of
> copies of the same board for a code oscillator workshop...I used a
bandsaw
> to cut the board...the copper circuit is covered with a black substance
> (toner?) and I want to know how to get it off so as to uncover the
copper
> circuitry ...please and thank you...
>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272

Date: Mon, 29 Apr 2002 07:00:15 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: ea5xq@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [125731] Re: Problems with VN66AFD PA of GQ40
Message-ID: <3CCD27BF.9080409@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

EA5XQ(Juan A. Bertolin) wrote:
> Hi all,
>

> Is it normal that when I press KEY TX in my GQ40, the current of my PA
> pushpull VN66AFD starts to DECREASE little by little? Is there any
> compensation circuit that is missing? I gather that due to temp
> compensation problems the current could increase but decrease???

MOSFETs behave differently than bipolar transistors with increasing
heat. Their resistance increases, which is why the current in your PA
decreases. This is actually good; it means that thermal runaway is
impossible for a MOSFET final.

Date: Mon, 29 Apr 2002 08:27:41 -0400
From: Jake Brodsky <frussle@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [125732] Re: VLF Transmitter & Receiver
Message-ID: <jleqcu8p79253mds84lassrvj88vei3gn7@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Thu, 25 Apr 2002 18:20:42 -0400, Steven Weber
<kd1jv@moose.ncia.net> wrote:

>Boy, all the switching supplies in use today must make it murder on the =
VLF
>bands!

Oddly enough, you can get away from that using a decent active
antenna. Just make sure the antenna is well isolated from the feed
line and power supply. =20

You'd be surprised at how little of that stuff one picks up.

73,

Jake Brodsky, AB3A mailto:frussle@erols.com
"Beware of the massive impossible!"

Date: Mon, 29 Apr 2002 08:26:15 -0400
From: "Michael C. Boatright" <ko4wx@mindspring.com>

To: qrp-l@lehigh.edu, nogaqrp@mailman.qth.net
Subject: [125733] NOGA QRPTTF (NQ4RP)
Message-ID: <5.0.2.1.2.20020429081224.0374fec0@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Although we didn't have to chip through ice or anything to get MM, it was still pretty chilly out on an open pontoon boat on Lake Lanier in North Georgia. Tom, K4TJD, Joe, W4JHR, and myself took KFTJD's boat out onto the lake, and found a pretty sheltered cove off the Chestatee channel--sheltered from wake, but not wind!

Tom set up his PLV (Parking Lot Vertical--NOGA equivalent to the SLV), and we gave 15 a listen. Worked 4 stations in an hour, including HP1AC, but it did seem like work. While I tried to coax signals out of 15, Tom and Joe set up a 300 foot longwire into the trees across the cove from where we tied up. 20M seemed to be hopping. But even with the long antenna (40' off ground at best), there was a lot of QSB on 20. The contest RST's didn't do the band justice--several of the stations were true ESP! It flipped W4JHR out completely when I worked W0PWE, Jerry, in IA. Joe, with an extra set of headphones, didn't hear ANYTHING until Jerry QSL'ed the exchange!

So the promise of hot activity on 10/15 didn't pan out...in fact all bands were pretty crummy. Still, we worked 42 SPC/bands for 30 states, 2 VE and Panama. After 5 hours, getting a QSO seemed like work, so we hung it up.

Especially fun to work W5KID and AJ4AY, and Knightlights Club, WQ4RP.

72 de Mike, NQ4RP/KO4WX for K4TJD, W4JHR and KO4WX

STATE/PROVINCE/COUNTRY TOTALS	QSO POINTS				
	MM	OC	WT	FD	HO
	Pts ea (25)	(20)	(15)	(10)	(5)
40M = __6__	40M = ____	__20	__45	__20	___5
20M = _27__	20M = _125	_120	_390	__50	_120
15M = __7__	15M = ____	__20	__75	__10	__20
10M = __2__	10M = __25	__20	__15	____	____
	TOTAL = _150	_180	_525	__80	_145
	YOUR LOCATION MULTIPLIER				

```
|                                    |                                          |
| TOTAL = __42_ (All SPCs per band) | MM = x5 _X_  OC = x4 ___  WT = x3 ___  |
|                                    |                                          |
|                                    | FD = x2 ___  HO = x1 ___               |
|                                    |                                          |
|____________________________________|__________________________________________|


FINAL SCORE =  1080 X  42  X  5   =  226800 PTS
                QSO Pts SPCs Loc


Michael C. Boatright
```

Date: Mon, 29 Apr 2002 08:31:19 -0400
From: Tim ORourke <TORourke@KaiserFT.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [125734] DK1HE SMD 40 Kit
Message-ID: <0514B74864ACD511934400508BBB5E3415F6DE@EMAIL1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Just finished the fine surface mount kit designed by DK1HE and kitted by WWW.QrpProject.De. This is a very nice intro to surface mount using a range of 1200 to 600 series parts. You end up with a nice high performance rig to boot. Very nice tuning arrangement with a variable inductor similar to the old tuning cores we used many years ago with crystal sets. Broad range and slow tuning so that you can zero beat the other station perfectly. Nice rejection also due circuit design and "can" type transformers. The transformers are as hard to wind as putting the small components on the board but the rewards are worth the effort. Worst part of the whole project is droping one of the little buggers. I looked for one part for an hour and it was on the bench all the time hiding. If you need help I can help with manual, I know very little German but now I lead you through.
BTW Peter Zenker, DL2FI will be using this kit for his presentation at Dayton. I expect he will have some for sale also. Now if I could just finish that 2 meter DK1HE kit.
73/72 Tim O'Rourke KG4CHX

Date: Mon, 29 Apr 2002 07:31:40 -0500
From: "Tim, N9PUZ" <N9PUZ@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [125735] [OT]: Re: OT Posts in General
Message-ID: <003401c1ef79$d0c160e0$a400a8c0@EOS>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Seriously, HAM radio today is MUCH more than just the radio. Just
> because it's not something directly involved with turning a knob or
> tuning a dial doesn't mean it's not HAM. Of course, it IS a stretch when
> people ask PC questions with the only tie-in to HAM the fact they use
> the computer for logging, designing, or radio operation.

> But ALL this is the 'periphery' of HAM radio. Leave it OT, even though
> in my mind it's actually just 'off center topic'.

For what it's worth I subscribe to a reflector whose main topic is PIC microcontrollers. The rule there is that the first part of your subject line begins with [PIC]: if it's truly PIC related, [OT]: if it's totally unrelated and [EE]: if it's about electronics in general but not really PICs. This makes it real easy for the "busy" people to filter out what they do or don't want. Most of the whining there is limited to posts that don't have the proper subject tag. :-)

Tim N9PUZ

Date: Mon, 29 Apr 2002 12:59:32 -0700
From: "Dan Hogan" <dhhogan1@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [125736] Re: OT Posts in General
Message-ID: <3CCD43B4.10191.135177@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Sorry about the bandwidth, couldn.t help it.

Dan Hogan WA6PBY
dhhogan1@earthlink.net
West Covina,CA
QRP-L #558

The natural life cycle of mailing lists.

Every list seems to go through the same cycle:

1. Initial enthusiasm (people introduce themselves, and gush a lot about how wonderful it is to find kindred souls).

2. Evangelism (people moan about how few folks are posting to the list, and brainstorm recruitment strategies).

3. Growth (more and more people join, more and more lengthy threads develop, occasional off-topic threads pop up).

4. Community (lots of threads, some more relevant than others; lots of information and advice is exchanged; experts help other experts as well as less experienced colleagues; friendships develop; people tease each other; newcomers are welcomed with generosity and patience; everyone -- newbie and expert alike -- feels comfortable asking questions, suggesting answers, and sharing opinions).

5. Discomfort with diversity (the number of messages increases dramatically; not every thread is fascinating to every reader; people start complaining about the signal-to-noise ratio; person 1 threatens to quit if *other* people don't limit discussion to person 1's pet topic; person 2 agrees with person 1; person 3 tells 1 & 2 to lighten up; more bandwidth is wasted complaining about off-topic threads than is used for the threads themselves; everyone gets annoyed).

6.
a. Smug complacency and stagnation (the purists flame everyone who asks an 'old' question or responds with humor to a serious post; newbies are rebuffed; traffic drops to a doze-producing level of a few minor issues; all interesting discussions happen by private email and are limited to a few participants; the purists spend lots of time self-righteously congratulating each other on keeping off-topic threads off the list).

-OR-

b. Maturity (a few people quit in a huff; the rest of the participants stay near stage 4, with stage 5 popping up briefly every few weeks; many people wear out their second or third 'delete' key, but the list lives contentedly ever

after).

~~~

This text was pulled from the archives of the list-managers discussion list and reproduced in full here (the author is unknown).

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This text was pulled from the archives of the list-managers discussion list and reproduced in full here (the author is unknown).

---

Date: Mon, 29 Apr 2002 06:30:01 -0700
From: Bob W7AVK <rsrolfne@atnet.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [125737] FS: Filters
Message-ID: <3CCD4AD9.B63A538C@atnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good Morning - for that next QRP project a couple very nice, new filters.

Collins Mechanical Filter - Rockwell part number 526 9365 051 with date code 8448. This is 455 Khz 3 Khz band width filter designed for the SSB mode.

Yaesu Crystal Filter - Yaesu part number XF-455C. This is a 455 khz 500 hz band width filter designed for CW mode. It was used in the FT-102 and several other Yaesu radios.

Asking $50 each which includes postage to the USA.

73 Bob W7AVK
~~~

Date: Mon, 29 Apr 2002 14:09:21 -0100
From: Bill Meara <n2cqr@clix.pt>
To: qrp-l@lehigh.edu
Subject: [125738] Biasing MOSFETS?
Message-ID: <1.5.4.32.20020429150921.0067eca0@pop.clix.pt>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm using a little amplifier from Ramsey. Two MOSFETS in push-pull.
Broadband linear RF Amp. I'm using it on 17 meters.

Problem is that it is getting very hot. I've increased the size of the
heatsink, but it still is getting too hot.

I'm wondering if there would be any benefit to moving the biasing diode so
that it would be in physical contact with the heat sink. This worked
wonders in stabilizing a BJT amp, and in keeping it cooler -- I'm wondering
if this would also work with MOSFETS.

What do you say? Would this be a cool move or what?

73 Bill CU2JL N2CQR
http://planeta.clix.pt/n2cqr

Date: Mon, 29 Apr 2002 09:14:55 -0500
From: Marcus C Leatham <leatham1@juno.com>
To: jfox6@houston.rr.com
Cc: qrp-l@Lehigh.EDU
Subject: [125739] Re: OT WWII Radio Interception rooms
Message-ID: <20020429.091456.320.3.leatham1@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

How interesting!

My ex mother-in-law once worked as a human calculator.
She added up columns of numbers, etc.

Amazing that we used to be able to get by with the skills
we learned early on, and now I'm finding that the stuff I
learned in college isn't enough to get me a job!

Marcus KR5N
72 / 73 dit dit

On Sun, 28 Apr 2002 18:48:17 -0500 <jfox6@houston.rr.com> writes:
> David,
> I was in the Pentagon Message Center during WWII.
> In that same area was the Crypt room.
.
.
.

Date: Mon, 29 Apr 2002 09:24:27 -0500
From: "Hal" <kc0bdw2@hotmail.com>
To: <qrp-l@Lehigh.EDU>
Subject: [125740] Qrp plus manual
Message-ID: <000101c1ef89$91aa4e20$802f0d44@mine>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Does any one have a copy of a Qrp plus manual they can email me?
KC0BDW

Date: Mon, 29 Apr 2002 09:30:13 -0500
From: <jfox6@houston.rr.com>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [125741] Apology
Message-ID: <003b01c1ef8a$600d6360$0924ae18@houston.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys and Gals,
 I humbly apologize for my explanation of the WWII question regarding
Intercept etc.
 I should have just kept the memories to myself and eliminated the
bandwidth.

73,

Foxy
jfox6@houston.rr.com
http://www.qsl.net/w5hir

Date: Mon, 29 Apr 2002 10:33:20 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [125742] Re: pc board question
Message-ID: <3.0.6.32.20020429103320.007a2580@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I use lacqure thinner to clean toner off my boards. Most any nasty solvent
will do the trick.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
http://www.qsl.net/kd1jv/

Date: Mon, 29 Apr 2002 10:29:42 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [125743] RE: Baffling CD-ROM Problem
Message-ID: <3.0.6.32.20020429102942.007a1cd0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

My CD-R started acting up recently - tried reading a disk, but gave up
after a few minuntes- so, I took it apart, gently cleaned the "eye" (Windex
on Q-tip) and now it's back to snuff.

Dusty CD lens are a common problem. So called "CD cleaning disks" don't
work. You need to get in there and dab the lens with a damp Q-tip. It
usually takes a few years to build up enough dust on them for it to act up
though, unless you smoke or have a real dusty location.

I'm sure a lot of CD roms and CD players get trashed for this simple
reason. Worth a shot before replacing it.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
http://www.qsl.net/kd1jv/

Date: Mon, 29 Apr 2002 16:04:16 +0100
From: "Ray Goff" <radioham@gmx.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [125744] RE: Biasing MOSFETS?
Message-ID: <FDEOKGEJJFNPABJIJGDDKEEHEDAA.radioham@gmx.co.uk>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi,

I came across an article on the web by Larry East, W1HUE, which was reeprinted from the July 1999 ARCI QRP Quarterly. This article described some overheating issues with what I believe are the same MOSFET's used in the Ramsey kit.

Take a look at

http://www.qrparci.org/east/Q_MODS5.html

For more details.

73/72's de Ray g4fon

RSGB, BATC, GQRP-10698
QRP-L 2378, QRP-ARCI 11153
ray@g4fon.co.uk
www.g4fon.co.uk

Date: Mon, 29 Apr 2002 16:06:56 +0100
From: "Ray Goff" <radioham@gmx.co.uk>
To: "QRL-L List" <qrp-l@Lehigh.EDU>

Subject: [125745] RE: Apology
Message-ID: <FDEOKGEJJFNPABJIJGDDAEEIEDAA.radioham@gmx.co.uk>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Why apologise, I for one found it interesting...

73/72's de Ray g4fon

RSGB, BATC, GQRP-10698
QRP-L 2378, QRP-ARCI 11153
ray@g4fon.co.uk
www.g4fon.co.uk

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> jfox6@houston.rr.com
> Sent: 29 April 2002 15:30
> To: Low Power Amateur Radio Discussion
> Subject: Apology
>
>
> Guys and Gals,
> I humbly apologize for my explanation of the WWII question regarding
> Intercept etc.
> I should have just kept the memories to myself and eliminated the
> bandwidth.
>
> 73,
>
> Foxy
> jfox6@houston.rr.com
> http://www.qsl.net/w5hir
>
>

Date: Mon, 29 Apr 2002 10:19:05 -0500
From: "Ham" <KD5NWA@mbayona.com>
To: <qrp-l@Lehigh.EDU>
Subject: [125746] Re: Apology
Message-ID: <006301c1ef91$34499b20$373d010a@a000>
MIME-Version: 1.0

Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don't let some jerk get you down, some persons want to control the world around them (insecure, remember Hitler), it was interesting stuff and it was about radios in general. As far as I'm concerned feel free to throw in some of your radio experiences that you have had, from time to time.

Cecil
KD5NWA

----- Original Message -----
From: <jfox6@houston.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, April 29, 2002 9:30 AM
Subject: Apology

> Guys and Gals,
> I humbly apologize for my explanation of the WWII question regarding
> Intercept etc.
> I should have just kept the memories to myself and eliminated the
> bandwidth.
>
> 73,
>
> Foxy
> jfox6@houston.rr.com
> http://www.qsl.net/w5hir
>

Date: Mon, 29 Apr 2002 11:23:39 -0400
From: Tim ORourke <TORourke@KaiserFT.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [125747] Re: Qrp plus manual
Message-ID: <0514B74864ACD511934400508BBB5E3415F6E1@EMAIL1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Yes I do. It will take a few days to copy and send.
Is QRZ OK.
Tim KG4CHX

Date: Mon, 29 Apr 2002 15:42:45 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [125748] Re: pc board question
Message-ID: <F158ZoFK8onzvMMl6Dc000040e1@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I generally use MEK (Methyl Ethyl Ketone) to remove the toner and finger nail polish ... I use the latter for large unetched areas (toner doesn't work so well for those purposes). Yeah, I know that MEK is nasty but so is acetone and besides, it works.

Brad KG6IOE

Send and receive Hotmail on your mobile device: http://mobile.msn.com

Date: Mon, 29 Apr 2002 09:38:11 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [125749] Re: Baffling CD-ROM Problem
Message-ID: <20020429163811.GD32047@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, Apr 29, 2002 at 10:29:42AM -0400, Steven Weber wrote:
> My CD-R started acting up recently - tried reading a disk, but gave up
> after a few minuntes- so, I took it apart, gently cleaned the "eye" (Windex
> on Q-tip) and now it's back to snuff.
>
> Dusty CD lens are a common problem. So called "CD cleaning disks" don't
> work. You need to get in there and dab the lens with a damp Q-tip. It
> usually takes a few years to build up enough dust on them for it to act up
> though, unless you smoke or have a real dusty location.
>
> I'm sure a lot of CD roms and CD players get trashed for this simple
> reason. Worth a shot before replacing it.

Thanks, I'll try that. We did some remodeling and things got really dusty, even though the computers wer covered by plastic drop cloths. I cleaned out the chassis, but never thought of the inside of the CD

drive.

Bob N7XY

Date: Mon, 29 Apr 2002 17:39:15 +0100
From: "Ted Williams" <ted@g0ull.fsnet.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [125750] Re: pc board question
Message-ID: <00a001c1ef9c$79516a80$0100000a@duron800>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

On my home-brew pcbs, I usually leave the resist on the copper as
protection, and I find where I need to solder it makes quite good flux.
So, if your coating is similar you may not need to clean it at all.

Ted, G0ULL

Date: Mon, 29 Apr 2002 09:40:56 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [125751] Re: Baffling CD-ROM Problem
Message-ID: <20020429164056.GE32047@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, Apr 29, 2002 at 05:42:06AM -0400, Charles Mabbott wrote:
> Computers do not eat sliding metal covers, not enough fiber
> for them. All kidding aside, you have to periodically check
> your floppy disks. Those sliding metal covers will over a
> period of time loose their crease so to speak and start to
> lift. As far as the CDs I have nothing to add to that.

That's exactly what happened and I procrastinated too long. I'm going
to try to get the cover out, since it is on a laptop and the drive
probably couldn't be easily replaced.

Bob N7XY

Date: Mon, 29 Apr 2002 11:42:00 -0500
From: wa0goz@arrl.net
To: qrp-l@Lehigh.edu
Subject: [125752] Lost tester information - Please help.
Message-ID: <3CCD77D8.5CE7@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A number of years ago, I built a crystal (or crystal filter) tester. I just
ran across it, not having used it for some time. It was a grounded base
input and output transistor with the crystal (or filter) inserted in
between. That is, two grounded base transistors, one on the input and one on
the output, with the crystal (or crystal filter) placed between them. The
first transistor was driven with a signal source, and the second transistor
was the output to a detector. The circuit was not an oscillator, but was a
way of loading the crystal (or crystal filter) with the proper impedances.
There was a pot on both the input and the output to the crystal (or crystal
filter), I think to set the load impedance for the crystal (or the crystal
filter).

Does anyone remember such a beast and where I got it from or any information
about it? I might like to use it again, but can't remember what it was all
about.

Thanks and 73

Henry

Date: Mon, 29 Apr 2002 11:08:30 -0600
From: "Steve/n0tu" <n0tu@codenet.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Cc: "Dave Ek" <ekdave@earthlink.net>
Subject: [125753] QRPTTF Colorado FD

Message-ID: <001101c1efa0$7d872820$b0561d82@agilent.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What FUN!!

QRPTTF from Lost Creek Wilderness Area - Colorado de NK0E/Dave and N0TU/Steve

NK0E/Dave, his son, friend Larry and I backpacked, leaving early Saturday AM into the wilds for TTF. Perched high on ridge above Goose Creek gave us a enough water for camping but decided to sign FD cuz it was more FD than WT! We didn't get operating until after lunch. After recovering from our trek in w/heavy packs antennas were slung and secured in the 20'-30' Ponderosa trees.

We setup antennas w/about ~100' separation. Dave using a reduced size G5RV with his K1/ATU performed flawleely! As did my HB SST @ 800 mW into a Norcal doublet at 30' w/BLT. We shared the bands which gave us a chance to do some hiking and keep things in perspective. Dave allowed me to test drive his K1 which was a big mistake! I need to have one now! Very NICE rig. Takes all the fun outa building ur own and dealing a rig that sorta works when your in the field. That K1 is just too sweet! You foget it's even there ...just signals and lots of Qs! I'm in lust!

22 Qs/20m and my best DX was ol' K0ZK in ME signing "OC"?? Dave's was AL0HA on 15m! The bands seemed pretty decent. Great views, some wind made for having to hang on to the log sheet tightly. Except Dave who was running his Palm logger. Plenty of sun - temps in the 60s but the wind keep it cooler. Great outing and fun combining a little backpacking w/radio sports! See ya in ~7 wks on FD!!

Steve/n0tu

Date: Sun, 28 Apr 2002 22:37:26 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [125754] BLT Tuners, Crystals, and Doug's Vacation
Message-ID: <009201c1ef3f$f527f820$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, I will be leaving on June 7th for another trip to the East Coast. (It is a tradeoff with my wife. She tolerates my coaching basketball, and I get to take her on a trip to the east coast in the summer. If you are married you will understand, if not, just trust me, it is necessary.) The past few years we have spent a week near Lancaster in Amish country. We were wondering if someone knows of a nice quiet vacation spot in the Pocono's that would be fun to go to with a travel trailer? Something that has several interesting things to see and do in a couple of hours driving time. If you do, please email me.

Anyway, I have kitted up several BLT tuners and they are ready to ship immediately. If you want to order one, please do it soon so that I receive your order by June 1st. That way your order won't sit in my unopened mail for 8 weeks. Same thing goes for the crystals. We currently have 7.040, 7.122 and 14.060 crystals in HC49 holders on hand. If you need crystals, please order now also. Here is the information on the BLT tuner. The BLT tuner is a small compact balanced line tuner that tunes balanced feedlines. It is a Z-Match, has the N7VE LED indicator, and was designed by Charley Lofgren, Mr. Z Match himself. The kit comes with all parts, including a precut circuit board case with lexan see through cover. Check the NorCal page at

http://www.fix.net/~jparker/norcal/kits/kits.htm

With the addition of a BNC and a spst switch, you can make the tuner also work with coax and long wires. The cost of the kit is $25 plus $4 for shipping and handling. To order please send $29 for each BLT to:

Doug Hendricks
862 Frank Ave.
Dos Palos, CA 93620

Use the same address to order the crystals which are $3 each postage paid. Please enclose a self addressed mailing label with each order, as it sure helps on this end. Please make checks and money orders to Doug Hendricks, NOT NorCal. Email if you have questions. 72, Doug

Date: Sun, 28 Apr 2002 22:39:31 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [125755] Better URL for BLT
Message-ID: <009a01c1ef40$3f032280$4a0b0d0a@dph.dpol.net>

MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I used the wrong url for the BLT. Here is a better one. Sorry about that.

http://www.fix.net/~jparker/norcal/blt/blt.htm

72, Doug

Date: Mon, 29 Apr 2002 13:34:01 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <IamSF5@aol.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [125756] ground vs. counterpoise
Message-ID: <020901c1efac$6f32d420$4e100a0a@rohredt2000>

Bob,
the earth grounding of the rig, tuner, and coax shield are for static buildup dissipation and shock safety, especially if you have an AC to DC power source. RF efficiency thru earth is pretty low at best, except over sea water.

Actually, you could operate on batteries and not ground to earth at all. But, in such a case you would need a counterpoise, for that is the missing half of the antenna when you have a stick like the B&W, or a quarter wave vertical. The B&W is a loaded whip, and looks like a quarter wave, approximately, to the tuner. But, to radiate efficiently it must have a reference, and that is the counterpoise. Especially, if the antenna is not operated with a ground connection or is too far from earth for a low impedance connection, ie, if the ground wire is approaching a quarter wave long or more.

A dipole is a two part, balanced antenna, and does not need a counterpoise or even earth ground to operate at top efficiency. The dipole can be vertical or horizontal and this still holds true. (see L. B. Cebik antenna web site, <cebik.com>).

A quarter wave long vertical, or anything looking somewhat vertical and less than quarter wave, using loading coils or capacity hats, needs that missing half element the dipole has, to have its radiation efficiency. The easiest way to get that, since most earth grounds are lossy at RF frequencies, is to use a wire counterpoise. Cut them to quarter wave long at the band in use, as an ideal. Make them nearly that long if nothing else is possible. The

far end from the fed end will be high impedance and higher voltage, so make it an insulated wire.

So to sum up, all antennas that are not dipoles, (either horizontal or vertical dipoles), or beams or loops (which are special forms of dipoles), will need some reference element, be it earth ground that reflects RF well, (like sea water), or a wire cut to be near quarter wave resonance, or an odd multiple of quarter wave, ie 3/4, 5/4, 7/4 long, etc. That is because the end of the quarter wave equivalent antenna where you feed it, needs to be low impedance to match to the 50 ohm transmitter, and the reference must also be low impedance where it comes close to the feed point to pick up the other side of the transmission line.

The property of a quarter wave wire, or element, is that it is high impedance on the unfed end, and low impedance where you connect a feeder. And this property translates to use of any odd quarter wave multiple, ie 3/4, 5/4, 7/4 etc.

Now the even quarter wave multiple is guess what: a half wave or multiple. The half wave line length translates the impedance seen at one end, without change, to the other end for the one frequency where it is a half wave line.

But, you do not want this for the counterpoise, for, to be an antenna a conductor must force the wave to change direction or have a discontinuity, (from John Kraus, W8JK, "Antennas" 2nd Ed.). You want that feeder low impedance end to see a quarter wave equivalent, so that the far end is high impedance, a form of discontinuity for radiator action. That will nearly balance the antenna that is made to look a quarter wave by loading coils or hats.

Now what B&W was trying to say, is that they did not want the counterpoise too close, or encircling the radiator. That would happen if the window metal frame was part of the counterpoise circuit. That would shade the antenna efficiency. They want the antenna and counterpoise spread out, to afford capture area to the antenna. That is the most efficient antennas; those with large area of conductors, such as beams, large loops, and doublets and dipoles.

(I hope you remember that previously we defined doublets as a half wave like, (two element) antenna but not necessarily half wave resonant on a band, and a dipole was a two element antenna where the total length is half wave, and each element a quarter wave.)

That is it for most ham antenna set ups. Hope this helps.
Most antennas are an extension of quarter wave or half wave principles.
72,
Stuart K5KVH

Date: Mon, 29 Apr 2002 14:44:29 -0400
From: adamvaz@palm.net (Adam Vazquez)
To: qrp-l@Lehigh.EDU
Subject: [125757] Fwd: Re: Apology
Message-ID: <20020429184429.28AFC450E@mo130uhou.palm.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

-- Forwarded Message --

Nonsense. Please continue, for the next generation of the defenders of
democracy.

Adam Vazquez Kb2Jpd
USAF Honorable Discharged 1983
FDNY EMS Ground Zero Rescue/Recovery

Remember the Lost. Help the Families of the Sacrificed.

jfox6@houston.rr.com wrote on 4/29/02 10:30 am:

Guys and Gals,
 I humbly apologize for my explanation of the WWII question
regarding
Intercept etc.
 I should have just kept the memories to myse

Date: Mon, 29 Apr 2002 14:45:25 -0400
From: "John Paul Keon" <jpkeon@nc.rr.com>
To: <jfox6@houston.rr.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [125758] Re: Apology
Message-ID: <003501c1efae$070b17c0$6401a8c0@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would not apologize. You have your given rights in this
country to free speech, and the right to talk and converse

about just about anything now. The ex-pres provided a
great incentive for that as well as many others.
Tell the other person to take a hike, and don't stop.
AB4PP
John Paul, Raleigh, NC

----- Original Message -----
From: <jfox6@houston.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, April 29, 2002 10:30 AM
Subject: Apology

> Guys and Gals,
> I humbly apologize for my explanation of the WWII question regarding
> Intercept etc.
> I should have just kept the memories to myself and eliminated the
> bandwidth.
>
> 73,
>
> Foxy
> jfox6@houston.rr.com
> http://www.qsl.net/w5hir
>
>

Date: Mon, 29 Apr 2002 13:50:53 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [125759] TINY-TORNADO Micro-Transceiver Kits - Now Accepting Orders
Message-ID: <06a401c1efae$ca3c9340$6501a8c0@lwrnce01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hello everyone. Ok... let's do a few more Tiny-Tornado kits. I just
ordered a few boards (very few) and need to get some more caps ordered but
the wait shouldn't be too long this time. Once I have enough orders to get
the rest of the parts I'll get them ordered, kitted, and shipped ASAP.

Check out the "Kits & Parts" page. Click on the Tiny-Tornado

Micro-Transceiver kit link or the Tiny-Tornado page for more details. I've also added a new page called the "Tiny-Tornado - History and Evolution" which describes the evolution of this transceiver with a lot of photos and other stuff to enjoy.

Also, if you've read any of the messages related to AM Broadcast interference... here's the fix. All the simple D-C rigs (Micro-80, Pixie 2, FOXX-3, Tiny-Tornado, etc.) "can" have a problem with AM Broadcast interference depending on how close you are to a local station. Some people don't have any problems at all. Others... seem to have a lot of problems. If you're one of those people that lives close to a bazillion watt AM Broadcast station and suffers from AM Broadcast Interference bleeding into your receiver... a simple High-Pass filter inline with your antenna will completely solve your problems. Don't suffer any longer. I made a Chebyshev 5-element High-Pass Broadcast Interference Filter kit available and it works GREAT! You can build the filter inside the enclosure of your transcevier or build it externally and use it with all your QRP rigs.

Also, with ALL the Tiny-Tornado kit orders... I'm including a FREE set of high-quality metal-oxide resistors you can use to build a 50-ohm QRP dummy load right into the enclosure of your rig. Build it any way you like or put it inside your rig and add a switch to switch it in and out as needed.

Place your order quickly.

http://www.QRPp-I.com

If you have any questions, please ask. Have fun!

73/72/71! de Brice KA8MAV
QRPp International Radio Club
http://www.QRPp-I.com

Date: Mon, 29 Apr 2002 16:04:55 EDT
From: NV9Z@aol.com
To: qrp-l@lehigh.edu
Subject: [125760] Matching Tuner For QRP+?
Message-ID: <198.6287cf8.29ff0167@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi QRPers!

I saw a posting on eHam.net for a matching tuner for the QRP+. I didn't know

there was such a beast. I inquired with the seller but it was already spoken for.

Does anybody knoaw where I might be able to find one of these tuners for my QRP+ station?

Thanks and very 72!

Chris Blaase NV9Z QRP-L #2370

Date: Mon, 29 Apr 2002 16:34:50 -0400
From: Ken Newman <N2CQ@Dandy.net>
To: epaqrp-l@Lehigh.EDU, QRP-L@Lehigh.EDU, njqrp@njqrp.org,
 n9avg@amsat.org
Subject: [125761] [CONTEST]Spring QRP Homebrewer Sprint Results
Message-ID: <3.0.6.32.20020429163450.008103b0@mail.dandy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,
Here is the results for the 2002 Spring QRP Homebrewer Sprint.
Awards and prizes will come later.
I hope all enjoyed the sprint.

72 de Ken N2CQ@ARRL.NET

2002 Spring QRP Homebrewer Sprint Results

Call	Mode	QSOs	Points	X SPCs	X PWR	= Score
K5ZTY	CW	97	388	50	7	135,800
N2NC	CW	87	348	50	7	121,800
W0PWE	CW	49	196	29	10	56,840
W0UFO	CW	52	208	33	7	48,048
K3WW	CW	51	204	30	7	42,840
AB0RS	CW	38	152	28	10	42,560
N0RC	Mixed	52	189	31	7	41,013
W1HUE	CW	35	140	23	10	32,200
K5HK	CW	35	140	21	10	29,400
KI0II	CW	29	116	25	10	29,000
AD6GI	CW	37	148	27	7	27,972
W5KDJ	CW	27	108	22	10	23,760
K2UD	CW	32	128	18	10	23,040
K4BAI	CW	46	92	31	7	19,964

K7PVT	CW	36	144	18	7	18,144
NK6A	CW	29	116	20	7	16,240
W2AGN	MIX	26	112	20	7	15,680
W3DP	CW	25	100	16	7	11,200
KE1L	CW	23	92	14	7	9,016
VE3SMA	CW	13	52	10	15	7,800
W3ZMN	CW	15	60	13	7	5,460
W1PID	CW	17	68	11	7	5,236
KW4JS	CW	15	60	11	7	4,620
N7CEE	CW	11	44	9	10	3,960
KG4LDY	CW	9	36	8	10	2,880
K4AVX	CW	11	44	8	7	2,464
NK9G	CW	16	32	11	7	2,464
KF4FHS	PSK	14	28	11	7	2,156
AG4PJ	PSK	8	40	7	7	1,960
VE3IGJ	CW	10	40	7	7	1,960
KC0GXX	CW	9	36	7	7	1,764
KC8LTL	CW	8	32	7	7	1,568
N2CX	CW	8	32	7	7	1,568
W2BVH	CW	9	36	5	7	1,260
AB9CA	CW	7	28	6	7	1,176
KB3AAG	CW	6	28	6	7	1,008
KA2UPW	PSK	6	30	4	7	840
K2HPV	CW	4	16	4	10	640
WB7AEI	CW	2	8	2	7	112

Checklogs:

WQ2RP	CW	93	356	48	7	119,616

(NJQRP Club Station, N2CQ Opr)

----------OPERATOR COMMENTS----------

K5ZTY:

Elecraft K2 - Force 12 C4S and G5RV
Well it was a good night for a contest except 15 and 10 meters
didn't come out to play. Had a good run on 20 for about an hour
and a half then went to 40 and fought the QRN and the radar
or whatever that horrible noise was that blanked the band.
Tried 80 but the QRN was 5 over 9 or better. Made 2 contacts there.
Sorry to those who I just couldn't pull out of the noise level.
All that aside, it is always a good contest if it is QRP and you get
to work the contest manager. Thanks to Ken for scoring this one again.

de Bill - HOUSTON, TX

N2NC:

My first QRP contest. Was only planning to fool around for a few minutes,
but got sucked in and stayed with it until until 0315Z. Running a K2 at 5W
and dipoles on 20, 40 and 80. The 80m dipole is fed with open wire through

a tuner. Sent everyone 599 reports because of the software I was trying to use. Will have to try and find something better for next time.

John - N2NC, Howell, NJ

W0PWE:
20 and 40 meters were the only bands open here. I have HB rigs for those bands so I ended up with an almost all HB station. Rigs: 20M Manhattan SST, 40M CSS Rcvr and
NN1G Xmtr, both Manhattan style. Other HB items: PIC memory keyer, Power supply, remote
antenna switch, and the antennas (trap and open sleeve dipoles). The contest was great
fun. There were lots of nice QRP and QRPp signals on the bands.

Jerry - Johnston, IA

W0UFO:
Rigs: Red Hot NC-20, Red Hot NC-40.
Antennas: 3EL 3BD Yagi, Inverted v dipole.
Again, as last Fall, has an MS-15 ready but heard nothing on 15.
Good fun on 20 and 40.

de Mert - Saint Paul, MN

K3WW:
I bought a K2 last year, but decided I was missing something, so bought a K1 KIT at Dayton and built it. Recently upgraded to the 4 band module.
I had other committments Sunday night, but got in a few hours of the sprint.
I was pleased with the activity, the K1 is working great.
Antennas: 2 el Cushcraft 40 at 75 feet... pair of Bencher Skyhawks on 20.

Used my laptop for logging... manually calculated the score, hope I did it right.

de Chas - Perkasie, PA

AB0RS:
Elecraft K2 - 900mW

de Richard - St. Paul, MN

N0RC:
RIG: K1, NC20, PSK-20 5 Watts
ANTENNA(S)__Attic Dipole
Nice activity, enjoyed it. Will be back for more in the fall!

Rod, Fort Collins, CO

W1HUE:
40M - Modified Norcal 40A - Inverted Vee
20M - Modified Norcal 20 - 450' longwire
15M - Modified MFJ Cub - 450' longwire

de Larry - Idaho Falls, ID

K5HK:
Equipment: SST 20M AT < 1W. (XCVR WILDERNESS KIT)
 SMK-1 40M AT 500MW. (XCVR NORCAL KIT)

ANTENNA: LIGHTNINGBOLT 5-BAND 2-ELEMENT QUAD AT 38FT.
 I USED SAME ANTENNA THROUGH A TUNER ON 40M.

de Carl - RENO NV

KI0II:
HB Xmtr & Rcvr <1W
Didn't have a chance to try any PSK but is a fun event!

Ron - Littleton, CO

AD6GI:
Elecraft K2, 5 watts, 40M, 15M = dipole at 40'; 20M = dipole at 25'.
S + P was not working well due to band conditions and found that QRZ? filled
the bill. Increased my contact count near 10% over last Sprint and had great
fun learning a different approach.
My thanks to all the operators for their good ears and a special thanks to
Ken Newman and the NJ QRP Club for another fine Sprint.

73, Chuck

W5KDJ:
Elecraft K1/4band Xcvr. 7, 14 & 21 Mhz
Mosley PRO57b. 7Mhz - DX-88 Trapped vertical.

de Wayne - Spring, TX

K2UD:
2N2/40 HB xcvr (<1W), Camcorder battery, end-fed-halfwave ant.
Been absent on the air, good chance to get on. 40M was the
ticket, 20M dead in the east, 80M not so hot.
Dig that VE3SMA w/200mW, EEEEH! That's punishing!

de Howard - Amherst, NY

K4BAI:

FT1000MP (5W), TH6DXX, Dipoles.
Long skip on 20m to NJ. Not enough activity. Maybe everyone was on PSK31?

73, John - Columbus, GA

K7PVT:
Wilderness SST-20 >1W, KT34XA tribander up 60'.
All in just an hour of operation. Didn't have any more time.
XYL was 8-(as it was!

de Robert - Langley, WA

NK6A:
Rigs: K2 at 5W to a Force 12 C4 at 40' and K1 at 5W on 40M.

Don - Mar Vista, CA

W2AGN:
Rigs: K2, PSK80 "Warbler
Antennas: KT34 Tribander, 300' Horiz Loop, 80/40 Trap Dipole.
Rather poor conditions, but gave new Trap Dipole a good test. Even got
RI for new state, and worked AL on 80M PSK. (He was running Warbler).

de John - Vineland, Nj

W3DP:
Elecraft K1 (5W), G5RV, K20 Keyboard, battery power.
40M band conditions were very good. Best skip was W0PWE in Iowa at
559 running 1W. The usual QRO stations around 7040 oblivious to
the QRP event! I am impressed with the K1 filtering. I could copy
very weak signals just 200 HZ away from S9 plus QRO stations with
no problem. They just disappeared! This was in the 250 HZ F3
filter position. Great little rig! Was amazed to work 16 states
in one hour. Good participation from all over.

72 all, Dick - Camp Hill, PA

KE1L:
What a struggle! The bands, they were not so good. Then they got worse.
I took a break a bit after 9, and when I came back, 40 meters had been
invaded by some sort of Woodpecker-ish interference, centered right
around 7.040! It later went away for a while, but the band never seemed
to recover from the insult. The closing bell hasn't quite rung as I
write this, but I've had enough.

The rig was K2 #1984 (Big Brother is listening) with all currently
available options, set for 5W output. The antenna was a 40 meter
inverted vee; the apex is anchored to the chimney of my house, about 40

feet up. 40 was the mainstay band, what with the antenna being set up
for it, but I did manage to eke out a few QSOs on 20 and 80 as well.
(The KAT2 will tune almost anything!)
I heard KD1JV at one point, but I wasn't able to work him. Darn. I would
have liked to snag an official melted-solder Q.

Mark - Dorchester, MA

VE3SMA:
Homebrew 200 mW output direct conversion xcvr, HB keyer and Bencher paddle,
HB antenna tuner, 26' verical ant. Started out at a good rate, but some
time after 0100z the skip got very long, which made the rest of the contest
tough going for a flea-powered station!

Steve - Cambridge, Ont.

W3ZMN:
Elecraft K2, Dipole on 80 and 40, R5 vertical on 20.

de Conrad - Bethlehem PA

W1PID:
40 meters Emtech 5W, 20 meters MFJ Cub 2W, Antenna Off Center Fed Dipole
40 meters was dynamite. Operated for 45 minutes.
Had a ball. Many thanks to all operators and organizers!

Jim - Sanbornton, NH

N7CEE:
Station: Elecraft K1, ATU, end fed 80 foot wire with counterpoise,
10 cell AA NiMH pack, 1.5 watt solar.
I operated on the fourth night of a six day backpack trip in Arizona's
Blue Range Primitive Area. Considering that I was set up in the bottom
of a 2,000 foot deep canyon, the bands sounded pretty good.
Thanks to N2CQ and the NJ QRP Club for organizing this fine contest!

73, Bruce - Strayhorse Canyon, AZ

KG4LDY:
SW-40 home built Xcvr at 1 watt, all 40 meter CW.
Noisy night on 40 meters with lots of QRM. Strange propagation. Heard a
station in Venezuela calling CQ around 7050 about the time the Sprint began.
Called him but my one watt just wouldn't make it.

73, Jim - Woodstock, VA

K4AVX:
Nice contest. Only got on on 40 meters about halfway through.

Had lots of QRN, SSTV and SSB QRM, and shifting band condx.
Used my DSW-40, a gelcell battery, and ant tuner with an
80 meter dipole. Qso's tough to make during the last hour.

73, John - Hazard, Ky.

NK9G:
Rig: Yaesu FT-817, Antenna: Cushcraft R7 Vertical, 5 Watts.
Activity could have been better, W5KDJ with 900mw has good signal
into SE WI.

Rick - Cudahy, WI

KF4FHS:
 Man, I've got new respect for you QRP guys. This is the first
contest I've done using 5 watts and it was definately a challenge.
I was using an old Kenwood TS-520 with nothing but SSB filters
and a dipole up 70 feet, not the most ideal setup, but I must say
I had a ball. I can't wait until the next one.
Thanks for a great time & 73,

Bernie - Yelm, WA.

AG4PJ:
Warbler running 5 watts into 65' End-fed Zepp up 35'
Static rolled in about 02:00, making things tough.
Still, a lot of fun!
(Sure would like to know what kind of antenna K6EIL was running!)

Regards, Dave - Mobile, AL

VE3IGJ:
POWER 5 WATTS, ELECRAFT K2 TRANSCEIVER, AND 20M INVERTED V DIPOLE

IAN - OTTAWA, ON

KC0GXX:
2N2/40 (Jim Kortge's design. 2W), HB Keyer based on 3 "555" IC's,
Dipole up ~40', MFJ941E tuner.
Lots O' Fun.

Thanks, Tom - Lincoln, NE

KC8LTL:
Rig: K2 #2030 at 5 w
I almost didn't participate because the 40 M dipole was broken
(used coax fed 80 M dipole and atu for 40) and the bands
were crap in the afternoon, but gave it a short go anyway.

de Ken

N2CX:
Rig - HB Sierra at 3W
Antennas : 40m inverted vee and 20m PAC-12 vertical
40 and 20 meter operation

de Joe - NJ

W2BVH:
RUFF CONDX!

de Lenny - Cranford, NJ

AB9CA:
RIG: SWL SW 40+ Ant: Homebrew 40m vertical
This is my very first contest. Had a great time.
Wish I could have worked more. Heard WQ2RP a couple of
times but was never able to be heard.

de Dave - Loxley, AL

KB3AAG:
Small Wonder 40 meter xcvr built by friend (One hand operator)
I enjoyed the contest and will be back even if I am still slow!
(Ed: Go for it Frank! Hope to hear you often!)

de Frank - Waynesburg, PA

KA2UPW:

 I operated PSK31 exclusively on eighty meters with my Warbler.
Where was everybody? Not on eighty meter PSK31. It sure
didn't LOOK like a contest was going on. After hastily
constructing an eighty meter dipole and erecting it at
about five feet, I made six PSK31 contacts.

Rig: PSK31 Warbler (80 m) about 2 watts out
Antenna: 80 m dipole at five feet
CPU: Pentium with Digipan

de Doug - NJ

K2HPV:
Ten Tec 1320 (20 meters only). 900 mW. Gap Titan vertical.
Sorry I couldn't do better....that heterodyne on 20 meters
was devastating.

de Herb - Clarksboro, NJ

WB7AEI:
Here's my entry. The bands were pretty bad, and only managed a
couple contacts on 40M the last half lhour of the event.
(the only band I heard any signals on all day).
Think maybe the "recovery" was better on the East coast since
the sun had been gone longer.
Gear: Homebrew DC Rcvr, 1 watt VFO rig and 5 watt amp, tuner,
swr meter, keyer, battery charger,
antenna (random horizontal/vertical invisible wire).
Still didn't run my "Pixie Deluxe" in this.
Its a great event and hope the ionosphere Gods are in a better
mood next time. Not many signals, not very strong, more "agn?"
than an SOC contest. Thanks for the excuse to get on the air.
Did I mention the conditions were a little rough?

72's, Phil WB7AEI - WA

WQ2RP:
 Thanks to all for your interest and activity in the sprint.
 40 meters was GREAT as long as Woody Woodpecker took a rest.
 RIG: Elecraft K1 (40, 20 & 15m) and Kenwood TS850 (80m).
 Ant: Mosley TA33jr & doublet.
 Look for the Fall QHB Sprint on Sept 23, 2002 0000z.

72 de Ken N2CQ Opr - Woodbury, NJ

Date: Mon, 29 Apr 2002 03:53:13 -0500
From: "tmyers" <tmyers@AcademicPlanet.com>
To: <wkhibbert@juno.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [125762] Re: OT Posts in General
Message-ID: <000b01c1ef5b$4d98b380$0100a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well put! The computer is an integral part of amateur radio and will
likely become an indispensable part of amateur radio. My new rigs all
have a dedicated microprocessor and several are CAT rigs (QRP rigs as
well). This does not include packet, PSK, RTTY, Wefax and a bunch of

other modes and at times the computer part has really eaten my lunch and I was really glad to find a Ham who knew both sides of the equation to help me get on the right track.

Thanks for the post.

KQ5U, Terry
Spring, Texas

----- Original Message -----
From: <wkhibbert@juno.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, April 28, 2002 20:40
Subject: Re: OT Posts in General

> Hello to all, Keith here in the Depths of the Great Bergen Swamp
>
> First off, amongst other hats that I wear, I am one of the Tech
> Coordinators for the Western NY section of the ARRL. I was asked over 10
> years ago to help out as a Tech Specialist which is best described as the
> local "Mr. Know-it-all" representing the League in a given area.
>
> Since then I have become the coordinator for the other Tech Specialists.
> Over the years the type of questions that we are asked to help with have
> changed greatly
>
> In 1989 the typical question would have been "How do I get on 80M with a
> city-sized lot?" or "Where can I find someone to fix my <fill in the
> blank> radio?" to "How do I get a permit for my tower?" Now the typical
> question is almost ALWAYS a computer-related question. It could be "How
> do I interface my <fill in the blank> radio with Digipan?" to "How do I
> get my logging software to talk to my radio?" to "Where can I find
> someone to help me reload Win95?"
>
> Rig or computer, there's still a need to answer (and ask) questions. How
> are YOU reading this post? Are you reading it on you favorite QRP rig?
> Are you reading it on your ZM-2 tuner? You are reading it on a

COMPUTER,
> therefore a question about COMPUTERS is relevant to the List.
>
> You may (and some probably will) disagree with my chain of logic, but
the
> day that anyone is told not to ask a question because we don't help
> anyone on THAT subject here is a loss for all the list members and the
> amateur community.
>
> Set your filters, exercise your <DELETE> keys, turn off your computers
> and limber up your best bug on the low end of 40 Meters but don't
stifle
> those that need to ask for help and recognize the need to do so.
>
> There is no such thing as a stupid question, but there are a bunch of
> really stupid replies at times.
>
> 73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
> President, Brockport Amateur Radio Klub
> "My night light runs more power than my Rig!!!"
> mailto:wb2vuo@arrl.net
>
> _____
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> http://dl.www.juno.com/get/web/.
>

Date: Mon, 29 Apr 2002 16:59:31 -0400
From: adamvaz@palm.net (Adam Vazquez)
To: qrp-l@Lehigh.EDU
Subject: [125763] Re: OTOT: Baffling M/S CD-ROM Problem
Message-ID: <20020429205931.3031E4517@mo120uhou.palm.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This for the overwhelming e-mail from interested amateurs.. Good for
you! If you think this is OT, please disregard.

The mentality of the ATAPI CD-ROM manufacturers was that one IDE device
is master and the other a 'slave'. The original specification was the
master as boot device and the slave not to.

The newest BIOSes allow for boot off either master and slave. You

control which is which using the jumpers on the back of the devices and the BIOS settings. This includes the
CABLE-SELECT pin for the ATA-66 and up crowd.

The firmware on some
drives are at fault. They are also flashable(have 'flash' reprogrammable memory). Updates are available from manufacturers like Acer & Sony & TDK.Goto the specific CD manufacturer website for updates or goto Www.drivers.com.

Please also check out back issues and the website of MaximumPC for more discussion of the slave drive issue. If you can inspect fellow friends documentation, check out Creative and TDK Velo burner instructions. Most old pre-Visio CD-Creater software gave problems with drives as masters.

Make it simple. High Performance HDs on one chain, Slower CD-ROMs on another. Make sure the
burner is set as slave. Buy more controller cards if you want more performance (one drive - one controller).

Consider SCSI or RAID for the next level of performance.

Date: Mon, 29 Apr 2002 17:35:48 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <kb7ww@easystreet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [125764] Re: Antenna help.
Message-ID: <1020329173544.RAA13578@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 4/11/02 8:30 PM, Arthur Moe at kb7ww@easystreet.com wrote:

>I would like to pick the brains of all the antenna guru's here. I am
>trying to get ready for the contest. For the past few years I have used an
>non resonant inverted vee fed with 300 ohm line. The length is 90 feet per
>leg or 180 feet over all. the Apex is at 68 feet and the ends are at about
>30 feet. This made a nice all band antenna. Recently I put up an A3S
>Cushcraft. Now I would like to change out the big inverted vee to something
>for 40 meters only. Choices inverted vee, 1/2 wave sloper, delta loop or
>diamond shaped quad. So her is your chance, what would be your choice
>and why.

First question: How high is the A3S?

You see, for any of these choices: inverted V, 1/2 wave sloper, delta loop (fed at bottom or top), or quad (fed at bottom or top) -- they are all horizontally polarized, much like your existing inverted V. So, the key dimension would be the height above ground.

Some ideas.

* If the A3S is 40 feet or higher, consider getting the 40m kit (Cushcraft A743). It's only a dipole, but if you cannot put up anything higher than the A3S, that's your best choice. At 70 feet or higher, 40m dipoles are great antennas.

* Shunt feed tower. If you A3S is on a tower, it may make a great antenna all by itself for 80m or 40m. A 50 foot tower topped with a tribander is close to resonant on 80m. Note you will have to put down a considerable number of 60 foot radials for 80m.

* Verticals. If you have no other supports other than the tower, you might consider using vertical antennas, mounted elsewhere on your property. There are some multi-band loaded verticals that actually work quite well when properly installed. Look for something that just supports 80m/40m, or perhaps 160m, too. You've already got 20m-10m covered with the A3S.

--

I have an A3S on a 49.5' tower. I plan to get the 40m kit this summer, since I cannot put antennas any higher than the tower on my property. I currently have a 1/4 wave 40m sloper at the 40 foot level. I'll likely replace it. I'm also trying to shunt feed the tower for 80m.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
-- Wilbur Wright, 1901

Date: Mon, 29 Apr 2002 17:44:00 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <n5nw@n5nw.org>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [125765] Re: Antenna Impedance (was: RE: Mobile whips)
Message-ID: <1020329174355.RAA14117@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 4/20/02 3:12 PM, Marty N5NW at n5nw@n5nw.org wrote:

>It does me good to recall from time to time that resonance is when the
>reactance (X in jX) is zero.

A conjugate match is therefore a resonant condition. At any point on the feedline, you have a R + jX from the antenna and a R - jX from the transmatch. Since the sum of the reactance values is zero, resonance is achieved.

> The resistave component (R) may be any number
>at that point. An off-center fed doublet (like the windom and it's
>variations) have resonance at R=300.

Resistance is the sum R(r) + R(s). Where R(r) is the radiation resistance, and R(s) is the total loss (defined as a series resistance).

>Resonance does not equal efficiency, however.

Efficiency is directly related to loss. R(s)/R defines the efficiency.

>Think about why open-wire feeder is recommended in non-resonant antenna
>installations -- it is a very efficient radiator.

A properly installed open-wire feed will NOT radiate. The ANTENNA will be doing the radiating.

>However, 50 ohm coax has relatively poor efficiency -- feedline
>radiation becomes a problem, because some of the radiation is wasted by
>conversion to non-RF energy.

Feedline radiation and efficiency have nothing to do with each other.

Feedline radiation is radiation, and isn't necessarily wasted (unless you intended it to be radiated in some other direction). The wasted RF energy is that which is turned into heat.

>At least in my installations, I want to maximize both efficiency and
>bandwidth (given the installation constraints).

Interesting that reducing efficiency often increases bandwidth....

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
-- Wilbur Wright, 1901

Date: Mon, 29 Apr 2002 18:06:48 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [125766] Re: Antenna help.
Message-ID: <0204291806480B.04101@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Monday 29 April 2002 17:35, Bill Coleman wrote:
> On 4/11/02 8:30 PM, Arthur Moe at kb7ww@easystreet.com wrote:
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> > A3S Cushcraft. Now I would like to change out the big inverted vee to
> > something for 40 meters only. Choices inverted vee, 1/2 wave sloper,
> > delta loop or diamond shaped quad. So her is your chance, what would be
> > your choice and why.

--

You would just need to add a couple feet to your 180' CF antenna (I forget the exact dimension, around 186' total or so) .64 wavelength each leg. Would make a "Double Extended Zepp" on 40, which is a great antenna. It is always the first antenna I put up when I moved anywhere, since it works all bands, but is especially good on 40, where it has a theoretical gain of 3db.

 John L Sielke W2AGN
 w2agn@w2agn.net
 http://www.w2agn.net

End of QRP-L Digest 2540

